

### Claims

- 1 1. A method for updating existing code in a computer program after inputting  
2 new code which defines changes to said existing code comprising the steps of:  
3 generating a target file list which includes target files;  
4 generating an associated file list including associated files which correspond with  
5 said target files; and  
6 executing an algorithm where said algorithm locates said target files by employing  
7 a search process, said algorithm updates said target files and updates said  
8 associated files by selectively compiling said target files.
- 1 2. The method of claim 1 further including source code and object code, said  
2 target files being source code and said associated files being object code, said source  
3 code being selectively compiled to update and provide said associated object code.
- 1 3. The method of claim 1 further comprising the step of:  
2 updating said associated file list with new said associated files, said new associated  
3 files being defined by said new code.
- 1 4. The method of claim 1 wherein said search technique including pattern type  
2 variables which use generic rules to specify said associated object code for updating.
- 1 5. A method for generating changes and updating existing files and code in a  
2 computer program, comprising the steps of:  
3 reading existing source code and existing object code in said computer program;  
4 reading a plurality of associated files where said associated files are associated  
5 with said source code;  
6 executing a utility program which updates target said source code and said object  
7 code associated with said target source code, said utility program including

8           scripting language specifying particular characters to search for in said target  
9           code and said associated code;  
10          generating a target code list for said source code and said associated object code  
11           by using said utility program; and  
12          updating said target code and said associated code by employing a search  
13           technique defined in said utility program, said search technique includes  
14           specified patterns such that said specified patterns identify said existing  
15           associated code being updated.

1          6.     The method of claim 5 wherein said specified patterns of said search technique  
2           includes pattern type variables which use generic rules to specify said associated  
3           object code for updating.

1          7.     The method of claim 5 wherein said search technique includes matching  
2           specified characters in said target code and said associated code such that said  
3           specified characters identify said existing associated code being updated.

1          8.     A method for generating changes and updating existing source code and  
2           existing object code in a computer program which includes a plurality of dependent  
3           files which are prerequisites of said source files, comprising the steps of:

4           inputting a utility program which updates target said source code, said object code  
5           being associated with said target source code, and said utility program  
6           including a scripting language specifying particular characters to search for in  
7           said target code and said associated object code;

8           generating a target code list for changing said associated object code using said  
9           utility program;

10          executing a search technique including pattern type variables which use generic  
11           rules to specify said associated object code for changing; and

12          updating said associated object code.



1 15. A program storage device readable by a machine, tangibly embodying a  
2 program of instructions executable by the machine to perform method steps for  
3 updating existing code in a computer program after inputting new code which defines  
4 changes to said existing code, said method steps comprising:  
5 generating a target file list which includes target files;  
6 generating an associated file list including associated files which correspond with  
7 said target files; and  
8 executing an algorithm where said algorithm locates said target files by employing  
9 a search process, said algorithm updates said target files and updates said  
10 associated files by selectively compiling said target files.